

What is claimed is:

1. A light emitting device comprising:

an organic EL element comprising a light emitting layer comprising an organic compound in which an EL is obtained and a metal complex,  
wherein the metal complex comprises a lattice structure in which metal atoms and ligands are alternately arranged, and  
wherein the metal atoms are located in lattice points and the lattice points are cross-linked through the ligands in the lattice structure.

2. A light emitting device comprising:

an organic EL element comprising a light emitting layer comprising an organic compound in which an EL is obtained and a metal complex,  
wherein the metal complex comprises a lattice structure in which metal atoms and ligands are alternately arranged, and  
wherein the ligands are located in lattice points and the lattice points are cross-linked through the metal atoms in the lattice structure.

3. A light emitting device according to claim 1 wherein the metal atom has an atomic number equal to or larger than rubidium.

4. A light emitting device according to claim 2 wherein the metal atom has an atomic number equal to or larger than rubidium.

5. A light emitting device comprising:

an organic EL element comprising a light emitting layer comprising an organic compound in which an EL is obtained and a metal complex with a dinuclear structure comprising two metal atoms as nuclei,

wherein the metal complex comprises a lattice structure in which sites with the dinuclear structure and ligands are alternately arranged, and

wherein the sites with the dinuclear structure are located in lattice points and the lattice points are cross-linked through the ligands in the lattice structure.

6. A light emitting device comprising:

an organic EL element comprising a light emitting layer comprising an organic compound in which an EL is obtained and a metal complex with a dinuclear structure comprising two metal atoms as nuclei,

wherein the metal complex comprises a lattice structure in which sites with the dinuclear structure and ligands are alternately arranged, and

wherein the ligands are located in lattice points and the lattice points are cross-linked through the sites with the dinuclear structure in the lattice structure.

7. A light emitting device according to claim 5, wherein the metal atom is one element selected from the group consisting of group 5 to 11 elements of the periodic table.

8. A light emitting device according to claim 6, wherein the metal atom is one element selected from the group consisting of group 5 to 11 elements of the periodic table.

9. A light emitting device comprising:

an organic EL element comprising a light emitting layer comprising an organic compound in which an EL is obtained and a metal complex with a dinuclear structure comprising two metal atoms as nuclei,

wherein the metal complex comprises a divalent metal ion of one element selected from the group consisting of group 5 to 11 elements of the periodic table and a ligand comprising a dicarboxylic ion.

10. A light emitting device comprising:

an organic EL element comprising a light emitting layer comprising an organic compound in which an EL is obtained and a metal complex with a dinuclear structure comprising two metal atoms as nuclei,

wherein the metal complex comprises a divalent metal ion of one element selected from the group consisting of group 5 to 11 elements of the periodic table and a ligand represented by the general formula,

[Chemical Formula 1]

where **a** denotes one selected from the group consisting of a substituent comprising a paraphenylene group, a substituent comprising a heterocyclic ring, and a substituent comprising a condensed ring.

11. A light emitting device comprising:

an organic EL element comprising a light emitting layer comprising an organic compound in which an EL is obtained and a metal complex with a dinuclear structure comprising two metal atoms as nuclei,

wherein the metal complex comprises a divalent metal ion of one element selected from the group consisting of group 5 to 11 elements of the periodic table and a ligand represented by the general formula,

[Chemical Formula 2]

where **b** denotes at least one cycloalkylene group and the **b** may comprise a substituent.

12. A light emitting device comprising:

an organic EL element comprising a light emitting layer comprising an organic compound in which an EL is obtained and a metal complex with a dinuclear structure comprising two metal atoms as nuclei,

wherein the metal complex comprises a divalent metal ion of one element selected from the group consisting of group 5 to 11 elements of the periodic table and a ligand represented by the general formula,

[Chemical Formula 3]

where **n** denotes an integer equal to or larger than 1.

13. A light emitting device comprising:

an organic EL element comprising a light emitting layer comprising an organic compound in which an EL is obtained and a metal complex with a dinuclear structure comprising two metal atoms as nuclei,

wherein the metal complex comprises a divalent metal ion of one element selected from the group consisting of group 5 to 11 elements of the periodic table and a ligand represented by the general formula,

[Chemical Formula 4]

where c denotes one selected from the group consisting of a substituent comprising an aryl group, a substituent comprising a heterocyclic ring, and a substituent comprising a condensed ring.

14. An electronic device comprising the light emitting device according to claim 1.
15. An electronic device comprising the light emitting device according to claim 2.
16. An electronic device comprising the light emitting device according to claim 5.
17. An electronic device comprising the light emitting device according to claim 6.
18. An electronic device comprising the light emitting device according to claim 9.
19. An electronic device comprising the light emitting device according to claim 10.

claim 11.

~~Aim 12.~~

NO.	NAME	DATE	TIME	PLACE	REMARKS
1	JOHN D. SMITH	1900	10:00	NEW YORK	ARRIVED
2	JAMES B. JONES	1900	10:00	NEW YORK	ARRIVED
3	WILLIAM C. MILLER	1900	10:00	NEW YORK	ARRIVED
4	EDWARD F. BROWN	1900	10:00	NEW YORK	ARRIVED
5	CHARLES H. WHITE	1900	10:00	NEW YORK	ARRIVED
6	ALFRED G. GREEN	1900	10:00	NEW YORK	ARRIVED
7	ROBERT L. BLACK	1900	10:00	NEW YORK	ARRIVED
8	HENRY J. GRAY	1900	10:00	NEW YORK	ARRIVED
9	FRANK M. HARRIS	1900	10:00	NEW YORK	ARRIVED
10	GEORGE W. KING	1900	10:00	NEW YORK	ARRIVED
11	JOHN A. LEE	1900	10:00	NEW YORK	ARRIVED
12	WILLIAM B. PERKINS	1900	10:00	NEW YORK	ARRIVED
13	EDWARD C. ROSS	1900	10:00	NEW YORK	ARRIVED
14	CHARLES D. STEVENSON	1900	10:00	NEW YORK	ARRIVED
15	ALFRED E. TAYLOR	1900	10:00	NEW YORK	ARRIVED
16	ROBERT F. WALKER	1900	10:00	NEW YORK	ARRIVED
17	HENRY G. YOUNG	1900	10:00	NEW YORK	ARRIVED
18	FRANK H. ZIMMERMAN	1900	10:00	NEW YORK	ARRIVED
19	GEORGE I. ADAMS	1900	10:00	NEW YORK	ARRIVED
20	JOHN K. BAKER	1900	10:00	NEW YORK	ARRIVED
21	WILLIAM L. CAMPBELL	1900	10:00	NEW YORK	ARRIVED
22	EDWARD M. COOPER	1900	10:00	NEW YORK	ARRIVED
23	CHARLES N. EVANS	1900	10:00	NEW YORK	ARRIVED
24	ALFRED O. FOSTER	1900	10:00	NEW YORK	ARRIVED
25	ROBERT P. GIBSON	1900	10:00	NEW YORK	ARRIVED
26	HENRY Q. HARRIS	1900	10:00	NEW YORK	ARRIVED
27	FRANK R. JONES	1900	10:00	NEW YORK	ARRIVED
28	GEORGE S. KANE	1900	10:00	NEW YORK	ARRIVED
29	JOHN T. LAMONT	1900	10:00	NEW YORK	ARRIVED
30	WILLIAM U. LEWIS	1900	10:00	NEW YORK	ARRIVED
31	EDWARD V. MASON	1900	10:00	NEW YORK	ARRIVED
32	CHARLES W. MCLEOD	1900	10:00	NEW YORK	ARRIVED
33	ALFRED X. NICHOLS	1900	10:00	NEW YORK	ARRIVED
34	ROBERT Y. ORR	1900	10:00	NEW YORK	ARRIVED
35	HENRY Z. PAGE	1900	10:00	NEW YORK	ARRIVED
36	FRANK A. REED	1900	10:00	NEW YORK	ARRIVED
37	GEORGE B. RICE	1900	10:00	NEW YORK	ARRIVED
38	JOHN C. SMITH	1900	10:00	NEW YORK	ARRIVED
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